SCC-B5201(S)P
SCC-B5203(S)P
SCC-B5205(S)P

Digital Color Dome Camera

User Guide

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数码彩色圆顶摄像机

使用指南

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AB68-00564A

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions.

1) This device may not cause harmful interference, and
2) This device must accept any interference that may cause undesired operation.

CAUTION:

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer’s instructions.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8. Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a used, caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or been dropped.

“WARNING - To reduce the risk of fire or electric shock, do not expose the apparatus to rain or moisture.”

“The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.”

❈ Avoid aiming the camera directly towards extremely bright objects such as the sun, as this may damage the CCD image sensot.

1. Overview

CCTV COLOR DOME CAMERA are the monitoring cameras incorporated with the recent CCD that provides the best monitoring function in connection with the CCTV system equipment.

■ **Number of CCD pixels**

- 410,000 pixel

■ **Power supply**

- DC 12V

■ **Automatic function and special function**

- ATW/AWC
- BLC
- AGC
- ELC(Electronic shutter iris)

2. Component Name



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• Power cable

+	DC 12V
-	GND

– —◉— +

3. Function of Each Component

Fixed focus lens

- Fixed focus lens installed on the camera.
  Please take cautions that any dust or foreign matter gathers on the front glass surface of the lens.

Main body

- A body that supports the camera.

PCB board

- This part is quite important since it performs the camera function.
  Please handle with care.

Power cable

- The terminal that is connected to the power (adaptor) cable.
  Connect to DC 12V.

Video signal output cable

- The cable that sends the video signal.

Dome cover

- The transparent plastic cover that protects the camera.
  Be careful not to make a scratch on it.

Function Switch

Function switch located at the rear side of the camera within the dome cover. Sets the White Balance mode.

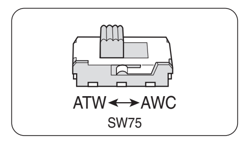
ATW (Auto Tracing White Balance

Automatically adjusts the color temperature of the screen (within 2500-9500 color temperature range) according to the temperature change in external environments.

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AWC (Auto White Balance Control)

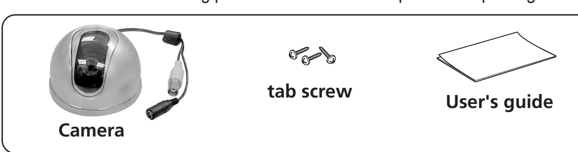
Adjusts the color temperature to the color temperature stored when switched to AWC.



4. Installation

Check what is inside the package

• Check to see if the following parts are included in the purchased package.



Notes on installation and usage

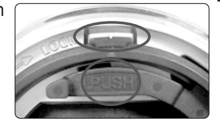
1. Users should not disassemble the camera from the front direction.
2. Always handle the camera with care. Please do not apply a shock or vibration as much as possible and take cautions not to cause damage or make a scratch on the camera due to careless storage.
3. Please do not install the camera with the rainy place or highly humid areas. And do not operate the camera in the wet place.
4. Do not clean the camera body with the strong abrasives or soaps. When the camera becomes dirty, clean it with the dry rugs. Especially, make sure to use the dedicated rugs for lens to clean the dome cover.
5. Please keep the camera at the cool area that is not exposed to the direct sunlight. If you do, it can cause bad effects on the product.

Installation

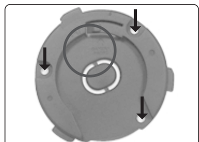
1. Raise the COVER-DOME towards the FRONT direction to separate from the product.



2. Keep the arrow on the Push in line with the arrow on the Bottom and press the Push. While pressing the Push, turn the bracket ceiling in a counterclockwise direction from the bottom side.



3. Install the bracket-ceiling in a desired place by using the tab screw supplied as an accessory. (Set the direction in a way that the bracket-ceiling can detect the direction of the camera front)



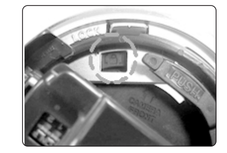
4. Depending on installation space, you can install the product using either process 1) or 2). Create a hole in the ① installation position. If the CAMERA wiring comes from the bottom, remove a part of the centre and remove the cable from the hole.



② When you put aside the cable of the camera instead of making a hole in the installation site, turn the lens to the end in a counter-clockwise direction and connect it to the cable guide as shown in the figure before placing it outside. (This is to prevent the inside cable from being short when the lens rotates, and you should remove some parts of the cable that may fall out of the case.)



5. Place the bracket ceiling so that the key image of the ceiling can be seen through the hole on the main body of the camera as shown in the figure, and turn it until you hear the locking sound.



6. Adjust the lens as desired, by rotating the lens up and down or right and left.

7. Assemble the Cover Dome into the camera so that the lens can be seen through the transparent part.

❊ When you turn the Cover Dome, the lens installed inside also rotates. But you must separate the Cover Dome to adjust the lens up and down.

5. Specifications

Item	Details
Display Standard	PAL STANDARD
CCD	1/3" SUPER HAD IT CCD
Effective Number of Pixels	752(H) x 582(V)
Synchronization	Internal
Resolution	520 TV Lines
Signal Output	VBS 1.0Vp-p(75Ω, composite)
S/N ratio	50dB
Minimum Object Illumination	0.3 lux
Shutter Speed	Max. 1/100 Ksec
Lens	B5201(S)P : f=3.8mm, View=100° B5203(S)P : f=3.0mm, View=126° B5205(S)P : f=8.0mm, View=38.6°
Body Color	B52xxP : Black B52xxSP : Silver
In/out connector	Signal output: BNC, Power input : Jack
Operating temperature	-10~+50°C
Power source	DC 12V +10%,-5%
Power consumption	2 W
Size	85(ø) x 54(H)mm
Weight	125g

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注意：为减少电击的危险，请勿拆卸背面机盖。内部没有用户可维修的部件。请让合格的维修人员进行维修。



此符号表示内部存在高电压。与产品内部任何部件的任何形式的接触都是危险的。



此符号提醒您关于操作和保养本产品的重要文字说明已随本产品提供。

为避免可能导致火患或电击危险的损害，请勿将此产品暴露在雨中或潮湿环境下。

本设备符合 FCC 规则第 15 部分中的规定。操作应遵守如下两个条件：

1）本设备不会造成有害干扰，并且

2）本设备可以承受可能导致不正常操作的干扰。

注意：

若更换不正确，电池将会有爆炸的危险。
只采用相同或厂商建议的相等类型的电池更换。
根据厂商的说明丢弃用过的电池。

使用指南

1. 请阅读这些说明。
2. 请妥善保管这些说明。
3. 注意所有警告。
4. 请遵循所有说明。
5. 切勿在近水处使用本设备。
6. 清洁时只使用干布。
7. 请勿堵塞任何通风口。根据厂商的说明进行安装。
8. 不要将本设备安装在任何靠近热源例如电暖炉、暖气片，或其它（包括扩音器）会产生热气的设备。
9. 请勿忽略极化或接地型插头的安全保护用途。
   极化型插头具有两边，有一边较另一边宽。接地型插头具有两边和第三端接地插脚。该宽边或第三端插脚是为您的安全而提供的。如果所提供的插头不适用于您的插座，请联系电工更换旧插座。
10. 保护电线以防践踏或被挤压，特别是插头处、便利插座处以及设备接出处的电线。
11. 只使用厂商指定的附加装置/附件。
12. 仅可使用厂商指定或随设备出售的运载车、支脚、三脚架、支架或工作台。使用运载车时，请小心避免在移动运载车/设备组合时翻覆。
13. 拔下设备的连接线。使用运载车时，请小心避免在移动运载车/设备组合时翻覆。
14. 所有维修均应由合格的维修人员执行。设备在具有任何方式的损坏时需要维修服务，例如电源线或插头损坏、设备内溅入液体或落入杂物、设备曾淋雨或浸水无法正常操作，或是跌落。
   ✻ 避免将摄像机直接对准过亮的物体，例如太阳，以免损坏 CCD 图像传感器。

1. 概述

CCTV 彩色圆顶摄像机结合监视摄像机与全新的 CCD，连接至 CCTV 系统设备可提供最佳的监视功能。

■ **CCD 像素数**

- 410,000 像素

■ **电源**

- 12V 直流

■ **自动功能及特殊功能**

- ATW（自动跟踪白平衡）/AWC（自动白平衡控制）
- 背光补偿
- AGC
- ELC（电子快门 iris）

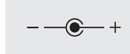
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2. 组件名称



● 电源线

+	支流12V
-	地线



3. 各组件功能

■ **定焦镜头**

• 定焦镜头已安装在摄像机上。
请小心避免让灰尘或异物聚集在镜头前面的玻璃表面。

■ **主体**

• 用于支持摄像机的主体。

■ **PCB 板**

• 本部件可执行摄像机功能，因此相当重要。
请小心处理。

■ 电源线

• 用于连接至电源（适配器）线的端子。连接至 12V 直流。

■ 视频信号输出电缆

• 用于发送视频信号的电缆。

■ 圆顶盖

• 用于保护摄像机的透明塑料盖。
请务必小心不要擦伤它。

■ **功能开关**

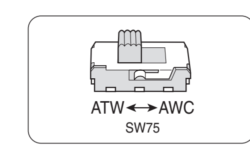
功能开关位于摄像机背面的圆顶盖内。设置 White Balance（白平衡）模式。

■ ATW（**自动跟踪白平衡**）

根据外部环境温度的变化，自动调整画面的色温（2500- 9500 色温范围内）。

■ AWC（**自动白平衡控制**）

切换至 AWC（自动白平衡控制）后，色温将调整为要存储的色温。

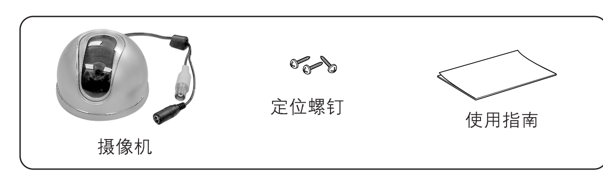


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4. 安装

■ 检查包装中的物品

• 检查所购买的包装中是否包含以下物品。

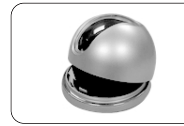


■ 安装及使用的注意事项

1. 用户不应该从前面方向拆装摄像机。
2. 请务必小心处理摄像机。请尽可能不要使产品震动或摇动，并小心避免因存放不当而造成损坏或导致摄像机擦伤。
3. 请勿将摄像机安装在多雨或高度潮湿的地方。
   并且不要在潮湿的地方操作摄像机。
4. 请勿使用强腐蚀剂或肥皂来清洁摄像机机身。当摄像机变脏时，请使用干的清洁布进行清洁。应特别注意确保使用镜头的专用清洁布来清洁圆顶盖。
5. 请将摄像机存放在阳光不会直射的凉爽地方。如果您将产品暴露在阳光直射下，将对它造成严重伤害。

■ 安装

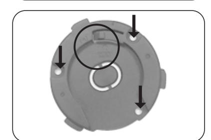
1. 将 COVER-DOME（圆顶盖）朝 FRONT（正面）方向提起以将它与产品分开。



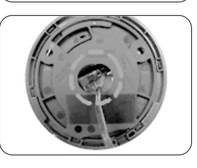
2. 将 Push（推）上的箭头和 Bottom（底部）上的箭头排成一直线，然后按下 Push（推）。在按下 Push（推）的同时，朝逆时针方向从底端转动支架天花板。



3. 使用附件提供的定位螺钉来将支架天花板安装在所需的位置。（设置支架天花板的方向，使其能检测相机正面的方向）

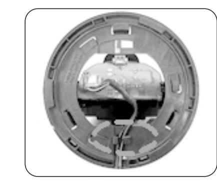


4. 视安装空间而定，您可使用过程 1) 或 2) 来安装产品。
   ①在 安装位置打出孔洞。
   如果摄像机配线从底部伸出来，请取下中间的部件并从孔中取出电缆。



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② 若您要将相机电缆放置到一旁，代替在安装处打孔的必要，请将镜头朝逆时钟方向转到底，并如图所示连接电缆卷，然后再将电缆卷安置到外面。（这是为了避免内部电缆在镜头旋转时的长度不足，同时您应去掉可能露出盒子的电缆部分。）



5. 如图所示，将支架天花板放置在可透过相机主体的孔看到天花板主要图像的位置，然后转动直至发出锁定声响。



6. 通过上下或左右旋转镜头来将镜头调整至所需位置。

7. 在将Cover Dome（圆顶盖）装配到相机中后，可从透明部分看到镜头。

※ 当您转动 Cover Dome（圆顶盖）时，所安装的镜头也会跟着旋转。但您必须在卸下 Cover Dome（圆顶盖）后才能上下调整镜头。

5. 规格

项目	详细资料
显示标准	PAL 制式标准
CCD	1/3 英寸超级HAD IT CCD
有效像素数	752（横向）x 582（纵向）
同步	内部
分辨率	520 TV 行
信号输出	VBS 1.0Vp-p （75Ω，复合）
S/N 比率	50dB
最低物体照明	0.3 lux
快门速度	最大1/100 Ksec
镜头	B5201(S)P：焦距f=3.8mm，视场角=100° B5203(S)P：焦距f=3.0mm，视场角=126° B5205(S)P：焦距f=8.0mm，视场角=38.6°
机身颜色	B52XXP ：黑色 B52XXSP ：银色
输入/输出连接器	信号输出BNC，电源输入：插孔
操作温度	-10~+50° C
电源	DC 12V +10%、-5%
耗电量	2 W
大小	85(Ø) x 54(H)mm
重量	125 克

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